

FINAL
SUPPLEMENTAL ENVIRONMENTAL BASELINE SURVEY (SEBS)
FORMER MARCH AIR FORCE BASE, CALIFORNIA
PARCEL I-3
APRIL 2006



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THE FORMER MARCH AIR FORCE BASE, CALIFORNIA
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EXECUTIVE SUMMARY

A Supplemental Environmental Baseline Survey (SEBS) was conducted by the Air Force Real Property Agency/Chief Operating Office (AFRPA/COO–McClellan) to document the environmental condition of Parcel I-3, hereinafter referred to as the “Property.”

The SEBS was conducted to update and refine the findings of the *March Air Force Base (AFB) Basewide Environmental Baseline Survey (EBS)*, dated November 1994, and the *EBS Category Update* dated February 1999. The SEBS includes a review of historical Resource Conservation and Recovery Act (RCRA) investigations and assessment reports, Installation Restoration Program (IRP) studies, underground storage tank (UST) investigations, Environmental Compliance Assessment and Management Program findings, National Environmental Policy Act (NEPA) documentation, and visual site inspections (VSIs). In addition, the SEBS includes an evaluation of known or potential sources of contamination on adjacent property known to have historically impacted or currently impact the Property. Review of adjacent properties included IRP sites, solid waste management units (SWMUs), oil/water separators, washracks, septic tanks, and silver recovery units within ¼ mile of the Property and all underground storage tanks sites within 500 feet of the Property. Based on the data review, the adjacent IRP, RCRA Facility Assessment (RFA), and EBS sites do not impact the Property to be transferred.

Based on information reviewed for the SEBS, the Property is suitable for transfer as Department of Defense (DoD) Environmental Condition of Property overall Category 4. Current data indicate that the selected statutory determination actions are protective of human health and the environment for parks and recreational use with restrictions at the landfill.

1.0 PURPOSE

The purpose of this SEBS is to update the environmental conditions documented in the *March Air Force Base (AFB) Basewide EBS*, dated November 1994, the *EBS Category Update* dated February 1999, and other supporting documentation for the Property located at the former March AFB. The Property consists of approximately 100 acres of continuous, but irregularly shaped, property bounded entirely by Plummer Road to the west, Van Buren Boulevard to the north, Village West Drive to the east, and the community of Air Force Village West to the south. The Property includes real property and a facility within Parcel I-3.

2.0 SURVEY METHODOLOGY

The data used in the SEBS was based on a review of the following documents:

- (1) Basewide Environmental Baseline Survey (EBS), dated November 1994;

- (2) Basewide Environmental Baseline Survey Category Update, dated February 1999;
- (3) Final 2003–2004 Annual Monitoring Report (AMR);
- (4) Draft 2004–2005 AMR, dated October 2005;
- (5) Visual Site Inspections (VSIs) conducted on January 27, 2005, April 19, 2005 and March 7, 2006;
- (6) Final Operable Unit (OU) 2 Record of Decision (ROD), dated April 2004;
- (7) Final Environmental Impact Statement, (FEIS) for the Disposal and Reuse of March AFB, dated February 1996;
- (8) Final Field Summary Report for Removal of Asbestos-Containing Material at Selected Facilities dated 1998.

3.0 PROPERTY DESCRIPTION

The Property to be transferred is shown on Attachment 1 and is comprised of approximately 100 acres. This includes IRP Site 6 (Landfill 4) and Building 3411 (a water pump station), which occupy the Property. A map showing the parcel with Site 6 identified is provided in Attachment 2. Attachment 5, which shows the adjacent properties, also identifies Building 3411's location within the Property boundary. Specific property information can be found in the VSI reports presented in Attachment 3.

4.0 PROPERTY CATEGORY

The Property was categorized in the EBS as DoD Environmental Condition Categories (ECC) 1 and 7. The EBS Category Update categorized the Property as ECC 4 based on the completion of remediation at Site 6.

Since all remedial actions necessary to protect human health and the environment have taken place in areas where storage, release, disposal, and/or migration of hazardous substances or petroleum products have occurred, to include information obtained and evaluated for the SEBS, the environmental condition of the Property is currently considered an overall Category 4. The property transfer document will contain a specific notification to the transferee of land use restrictions, groundwater use restrictions, protection of landfill equipment or systems, and State Land Use Covenant (SLUC). Restrictions in the deed in the form of grantee covenants will prohibit future residential land use and any activities that could jeopardize the cap or liner's ability to protect the integrity of the waste cells. The deed will therefore include the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 120(h)(3) covenant used for Category 4 property.

5.0 UPDATED ENVIRONMENTAL FINDINGS

5.1 Visual Site Inspection (VSI): The initial VSI of Parcel I-3 was conducted during preparation of the 1994 EBS. The SEBS confirming VSI was conducted on January 27, 2005, April 19, 2005, and March 7, 2006 to verify property conditions consistent with the initial VSI. The purpose of the latest VSI was to identify any changes to or recognize new environmental conditions within the Property boundaries including: erosion or cracks on the landfill cap, stained soils, stressed vegetation, leachate seepages, unusual odors, or changes at Building 3411. The VSI reports are located in Attachment 3.

5.2 Hazardous Substances Notification: Hazardous substances in quantities exceeding 1,000 kilograms, or the hazardous substances reportable quantity found at 40 Code of Federal Regulations (CFR) Part 302.4 (whichever is greater) were stored for one (1) year or more in Facility 3411 located within the boundaries of this Property. Information on the type of hazardous substances stored is provided in a table in Attachment 6. Based on the VSI conducted on March 7, 2006, there was no surface evidence of impact or contamination.

5.3 Installation Restoration Program (IRP): The IRP is an Air Force program to identify, characterize and remediate past environmental contamination on its bases. IRP objectives include evaluating past disposal and spill sites, containing the migration of contaminants, and eliminating potential hazards to human health and the environment associated with contaminated sites.

Site 6 (IRP LF006) is the only IRP site located on this property. The EBS identified IRP Site 6 as is having been a disposal site for household waste, demolition debris, and possibly small amounts of oils, solvents, paints, and pesticide residues from the base from the early 1950s through the early 1980s. According to the Final OU 2 ROD, polyaromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB), pesticides, herbicides, and dioxins were found in samples of soil and water collected during the OU 2 Remedial Investigation. An interim removal action, conducted in 1995, removed approximately 63,000 cubic yards of waste. Two engineered waste cells were later constructed at Site 6. Waste consolidation was completed in late 1996. At that time, the cells were sealed with an impermeable cover, three additional groundwater monitoring wells, and landfill gas (LFG) probes were added along the perimeter for long-term monitoring. The Site 6 final remedy is in place and operational as documented in the Final OU 2 ROD, April 2004. On-going operations and maintenance of the landfill and land use restrictions are required to protect human health, the environment, and the landfill cap integrity.

5.4 Solid Waste Management Units (SWMUs): There are no SWMUs identified as part of this property.

5.5 Underground and Aboveground Storage Tanks (USTs and ASTs) and Hydrant Systems: There were two storage tanks located within the boundaries of this Property. AST-3411 is a 500-gallon capacity diesel storage tank and is presently not being used located at the water pump station. UST-3411 was removed in January 1991. The removal and closure report for this UST is included in Attachment 7. This UST stored gasoline and/or diesel. A petroleum product release was thought to be associated with UST-3411; however, no documentation exists to support such a release.

Table 5.5
Summary of Regulatory Closure Dates for USTs/ASTs

Building	Site Designation	Description	Description
3411	AST-3411	Diesel	AST still active to provide fuel to the water pump station.

Building	Site Designation	Description	Description
	UST-3411	Gasoline or Diesel	Removed in January 1991 and was closed by Riverside County Department of Environmental Health in November 1994

5.6 Oil Water Separators (OWSs): There is no change in status from the EBS and EBS Category Update. There are no OWSs present at the facility located within the boundaries of the Property to be transferred.

5.7 Sanitary Sewer Systems (Wastewater): There have been no changes since the EBS and EBS Category Update. No sanitary sewer system is located within the Property boundaries.

5.8 Septic Tanks (Wastewater): There is no change in status from the EBS and EBS Category Update. There are no Septic Tanks present at the facilities located within the boundaries of the Property to be transferred.

5.9 Silver Recovery Units (SRUs): There is no change in status from the EBS and EBS Category Update. There are no SRUs present at the facilities located within the boundaries of the Property to be transferred.

5.10 Petroleum Products and Derivatives: Petroleum products were stored or used on the Property within Facility 3411. For additional information refer to Section 5.5. Additionally, the engineered waste cells constructed at Site 6 contain, among other contaminated media, petroleum contaminated soil. The soil cap placed over the engineered waste cells prevents potential receptor exposure to the waste and the site was treated as a closure in place rather than a clean closure.

5.11 Asbestos-Containing Material (ACM): In July 1998, Building 3411 received a limited asbestos survey. ACM was detected in samples taken from the glazing on exterior windows. No damaged or deteriorated friable ACM was observed at the time of the previously conducted VSIs or during the April 19, 2005 and March 7, 2006, VSIs. Additionally, because Site 6 was the disposal site for demolition debris from the base, the potential exists that building debris, containing ACM, may be present in the engineered waste cells. However, because of the capping system, exposure risks have been mitigated.

Since the majority of the utility systems were constructed prior to 1981 when use of ACM was common, there is a potential for ACM in the form of insulation or piping material to exist in conjunction with the utility systems which have either been closed by the Air Force or transferred to utility providers owned by the Western Municipal Water District, with some portions thereof having been abandoned in place. There is also a potential for ACM in the soil resulting from historical demolition activities.

5.12 Lead Based Paint (LBP) Housing: Not applicable. There are no housing facilities on the Property to be transferred.

Note: Because Site 6 was the disposal site for demolition debris from the base, the potential exists that building debris, containing LBP, may be present in the engineered waste cells. However, because of the capping system, exposure risks have been mitigated.

5.13 LBP (Facilities other than Housing): Building 3411 was constructed in 1953, prior to the DoD ban on the use of LBP in 1978 and therefore may contain LBP. The VSI conducted on March 7, 2006 verified that environmental conditions have not changed since the EBS Category Update.

Note: Because Site 6 was the disposal site for demolition debris from the base, the potential exists that building debris, containing LBP, may be present in the engineered waste cells. However, because of the capping system, exposure risks have been mitigated.

5.14 Historic Property: Not applicable. There are no historic properties located on the Property to be transferred.

5.15 Indoor Air Quality: There are no known indoor air quality issues at the Property to be transferred.

5.16 Radon: There is no change in status from the EBS and EBS Category Update. No action regarding radon is necessary on the Property to be transferred.

5.17 Drinking Water Quality: There is no change in status from the EBS and EBS Category Update. Building 3411 obtains drinking water from the Western Municipal Water District.

5.18 Polychlorinated Biphenyls (PCBs): There is no change in status from the EBS and EBS Category Update. No PCB equipment is present on the Property; however, the engineered waste cells constructed at Site 6 contained PCBs among other contaminated media. The soil cap placed over the engineered waste cells prevents potential receptor exposure to the waste and the site was treated as a closure in place rather than a clean closure. All of the utilities within the boundaries of this Property have been transferred. See Section 5.20.

5.19 Air Permits: No air permits are associated with the Property to be transferred.

5.20 Utility Lines: Electrical utility was recently transferred to Southern California Edison. Both the water and wastewater is currently operated by Western Municipal Water District and the gas is currently operated by The Gas Company. There are no potential impacts to the Property associated with utility lines.

5.21 Outdoor Air Quality: Not applicable.

5.22 Grease Traps: Not applicable. Building 3411 did not include a grease trap.

5.23 Radioactive and Mixed Wastes: There were no radioactive and mixed wastes stored or discarded within the boundaries of the Property to be transferred.

5.24 Medical/Biohazardous Waste: There were no medical/bio-hazardous wastes stored within the boundaries of the Property to be transferred.

5.25 Unexploded Ordnance: There were no unexploded ordnance sites within the boundaries of the Property to be transferred.

5.26 Prime/Unique Farmlands: There are no known mapable units of prime farmland soil contained within the Property to be transferred.

5.27 Sensitive Habitats: Sensitive habitats located on the Property include jurisdictional wetlands and Willow-dominated riparian corridors. Jurisdictional wetlands serve as the habitat for the endangered Stephens kangaroo rat. Least Bell's vireo, and fairy shrimp species. Willow riparian communities support several sensitive species, offering breeding habitat for Least Bell's vireo and southwestern willow flycatcher on the Property. Ephemeral ponds, such as vernal wet depressions in the northern and southern portion of the Property, are potential habitat for the endangered Riverside fairy shrimp and proposed endangered conservancy fairy shrimp and vernal pool fairy shrimp. Attachment 4 shows the locations of the sensitive habitats located within the boundaries of the Property to be transferred.

5.28 Threatened and Endangered Species: The endangered Riverside fairy shrimp, the proposed endangered conservancy fairy shrimp, and the vernal pool fairy shrimp were not observed during the October 1996 *Final Threaten and Endangered Species Survey Report*; however, potential habitat for these species do exist within the Property boundary.

5.29 Wetlands: There has been no change since the EBS or EBS Category Update. Wetland area on this Property is the Site 6b Pond, which contains standing water and is surrounded by riparian vegetation. The Site 6b Pond below elevation 1,629 feet mean sea level (MSL) is a jurisdictional wetland. Attachment 4 shows the locations of the wetlands located within the boundaries of the Property to be transferred.

5.30 Floodplains: There has been no change since the EBS. This Property is not located within the 100-year floodplain.

5.31 Traditional Resources: No traditional or sacred Native American sites are known to be located on or have been recorded at the former March AFB.

5.32 Adjacent Property: An evaluation of adjacent properties was conducted for the presence (and former presence) of IRP sites, EBS sites, SWMUs, leaking petroleum storage tanks, oil/water separators, washracks, septic tanks, and silver recovery units within ¼ mile of the Property and all underground storage tanks sites within 500 feet of the Property. Listed below describes the sites that were identified within ¼ mile of the Property. Attachment 5 is a map outlining the adjacent properties within ¼ mile of the Property to be transferred.

Two IRP sites, Site 40 (OT040, Landfill 8) and Site 35 (ST035), are located within ¼ mile of the Property boundary. Site 40 is located northwest of the Property boundary. Site 40, a

former landfill. has been inactive since the early 1950's. Debris and affected soil were removed in late 1994. Post-removal confirmation sampling indicates that waste materials have been removed, and no further action is required at Site 40. Site 35, the 15th Air Force Leaking Underground Storage Tanks, are located southwest of the Property boundary. Subsurface soils in several areas were contaminated by diesel fuel released from the underground tanks. Bioventing and soil removal projects have reduced contaminants to levels considered protective of groundwater. All remedial actions protective of human health have been taken at both of these IRP sites and no further action is planned. None of the environmental factors associated with these IRP sites impact the Property to be transferred.

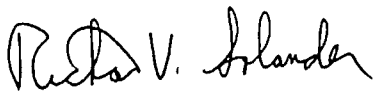
Six USTs were located within ¼ mile of the Property boundary. All six of the USTs (including three associated with ST035) have been removed. The USTs are associated with Facilities 3401, 3407, 3409, 3415, 3417-1, and 3417-2). There is also one AST located within ¼ mile of the Property boundary. This AST is associated with Facility 6105 and remains active. None of the environmental factors associated with these storage tanks impact the Property to be transferred.

6.0 REFERENCES: The following people were contacted for updated information as well as a review of the documents listed in Section 2.1.

6.1 Person(s) Contacted:
Philip H. Mook Jr., PE
Richard V. Solander

CERTIFICATION

I certify that the property conditions stated in this report are based on a thorough review of available records, visual inspections, sampling and analysis as noted and are true and correct, to the best of my knowledge and belief.



RICHARD V. SOLANDER
BRAC Environmental Coordinator

4 April 2006

Date

Attachments:

1. Property Map
2. IRP Site Map
3. VSI Reports
4. Sensitive Habitats and Wetlands
5. Adjacent Properties
6. Hazardous Substances Stored/Disposed/Released
7. Closure Report for UST-3411

**Attachment 1
Parcel Map for I-3
March AFB**

LEGEND

Structures/Roads

Parcel I-3



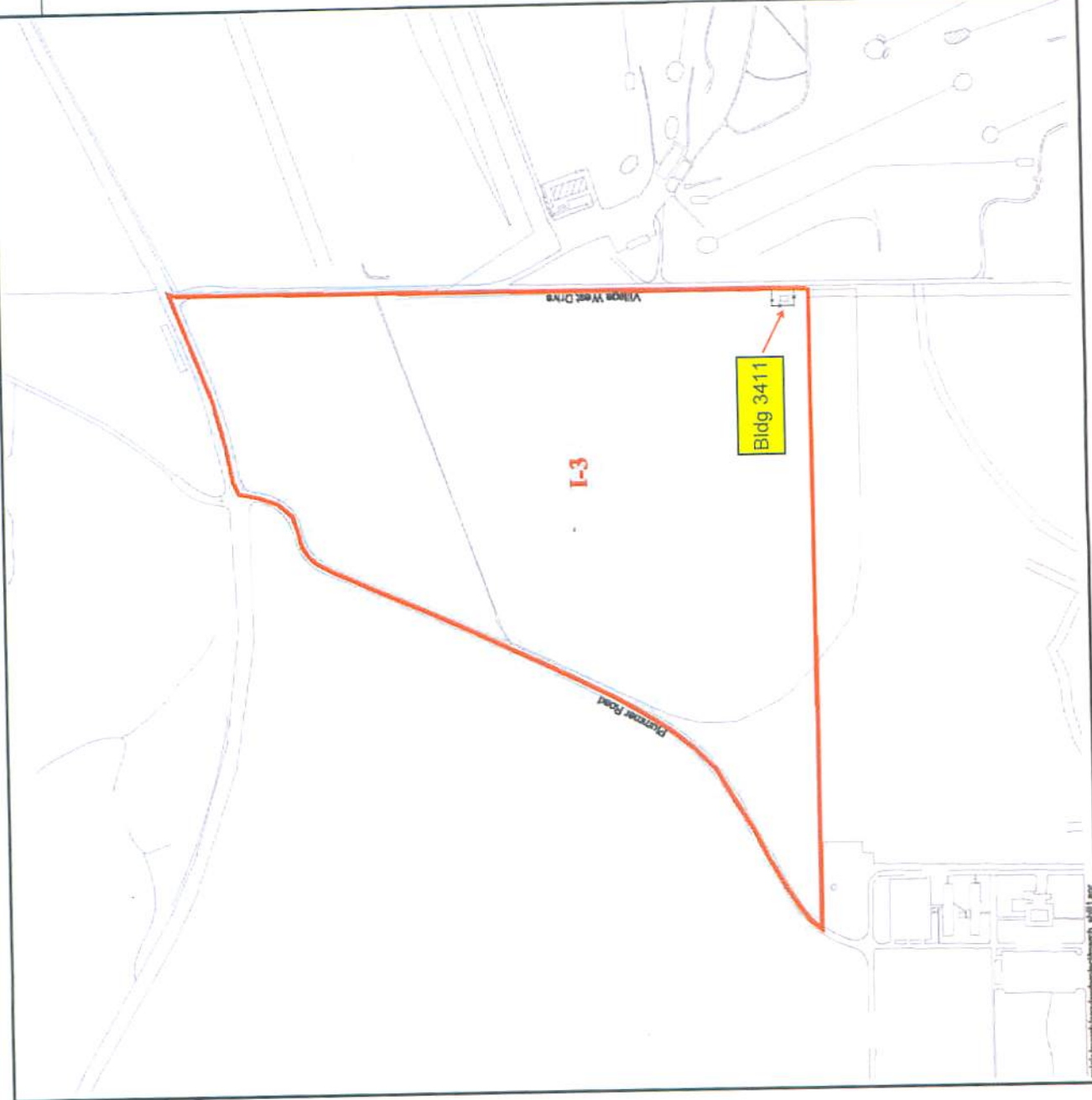
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January 2005

AIR FORCE REAL PROPERTY AGENCY

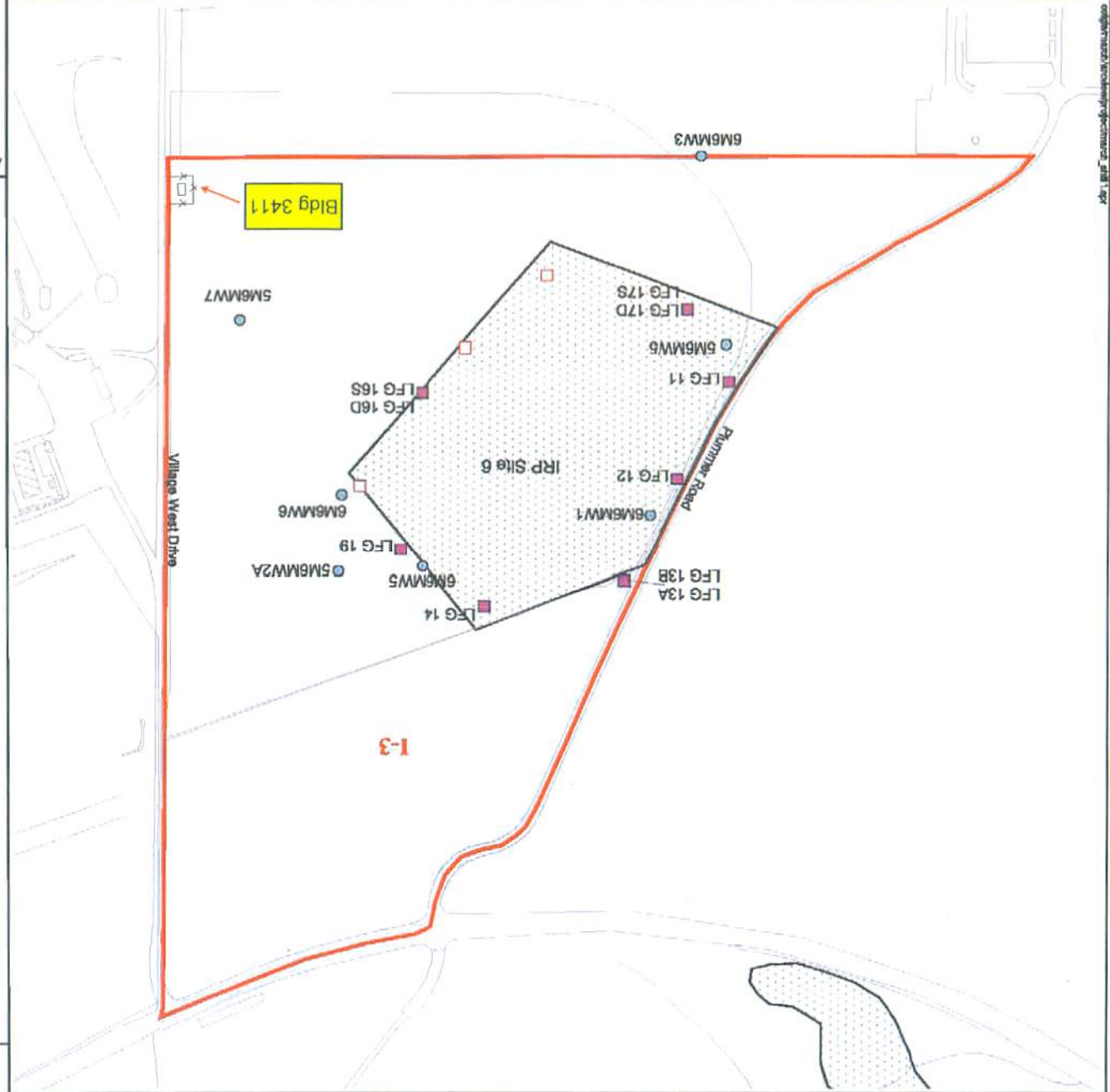
Attachment 1

SEBS Parcel Map for Parcel I-3
March Air Force Base, California

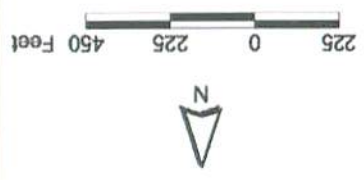


Attachment 2
IRP Site 6, Landfill Gas Probes
and Monitoring Wells
March AFB

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- LEGEND**
- IRP Site
 - Parcel I-3
 - Groundwater Monitoring Wells
 - Landfill Gas Probes
 - Proposed Landfill Gas Probes
 - Building 3411



AIR FORCE REAL PROPERTY AGENCY
Attachment 2
IRP Site 6, Landfill Gas Probes,
and Monitoring Wells
Parcel I-3
March Air Force Base, California

Attachment 3
VSI Report

VISUAL SITE INSPECTION (VSI) FORM

GENERAL INFORMATION

Facility Number: 3411, Parcel I-3

Current Use: Pump Station

Date Inspected: 4/19/05, updated 3/7/06

Type of Building: Concrete

Area (Sq. Ft.): 1,075

Type of Construction: N/A

Year of Construction: 1953

Lease Amendment: N/A

Description of Facility

Pump Station

PHYSICAL SETTING

Current Uses of the Facility

Are any current uses likely to involve treatment, storage, disposal, or generation of Hazardous substances or petroleum products?

 Yes

 X No

Report current uses based on observation, interviews, and records review.

- Not being used

Past Uses of the Facility

Were any past uses likely to have involved treatment, storage, disposal, or generation of hazardous substances or petroleum?

 X Yes

 No

Report all past uses based on observation, interviews, and records review.

-Past use was the same as the current use. Facility was used as a water Pump Station.

Chlorine gas and fluoride were stored on wooden pallets outside of building. These are no longer used and have been removed.

PHYSICAL CONDITIONS and FINDINGS

N = No Y=Yes X=Excellent G=Good F=Fair P=Poor NA=Not Applicable

Comments

Condition of Paint
exterior / interior

 G / G

Condition of Building
exterior / interior

 G / G

Air Emissions Sources

 NA

PCB Containing Equipment

 N/A

Facility No.: 3411

Date

Inspected: 4/ 19 / 05, updated 3/7/06

<u>Historical Property</u>	<u>N/A</u>	_____
<u>Observed Wetlands</u>	<u>N/A</u>	_____
<u>Drinking Water Wells</u>	<u>N/A</u>	_____
<u>Remedial System</u>	<u>N/A</u>	_____
<u>Monitoring Wells</u>	<u>N/A</u>	_____

Hazardous Material and Waste, Petroleum, Oil, and Lubricant Units

Describe the condition of and materials handled by the following units (use the abbreviations listed below for Waste Stream column).

N=No Y=Yes HM=Hazardous Material HW=Hazardous Waste POL=Petroleum Oil & Lubricant Product POLW=POL Waste OTH=Other

UNITS

INDUSTRIAL	Waste Stream	Comments
<u>Floor Drains</u>	<u>No</u>	_____
<u>Waste Water System/Collection</u>	<u>No</u>	_____
<u>Oil/Water Separators</u>	<u>No</u>	_____
<u>Washracks</u>	<u>No</u>	_____
<u>Above Ground Storage Tank</u>	<u>POL</u>	Diescl 500 gallon, inactive and empty _____
<u>Underground Storage Tank</u>	<u>POL</u>	Removed in 1991 _____
<u>Other Tanks</u>	<u>No</u>	_____
<u>Sumps</u>	<u>No</u>	_____
<u>Silver Recovery Units</u>	<u>No</u>	_____
<u>Hydrant System</u>	<u>No</u>	_____
<u>Radioactive Units</u>	<u>No</u>	_____
<u>Container Storage Area</u>	<u>No</u>	_____
<u>Other</u>	<u>No</u>	_____

SURFACE WATER	Y/N	Comments
<u>Storm Water Systems</u>	<u>N</u>	_____
<u>Pits, Ponds, Lagoons</u>	<u>N</u>	_____
<u>Other</u>	<u>N</u>	_____

MUNICIPAL	Y/N	Comments
<u>Sanitary Sewer (utility ownership)</u>	<u>N</u>	
<u>Septic Tanks</u>	<u>N</u>	
<u>Grease Traps</u>	<u>N</u>	
<u>Drains</u>	<u>N</u>	
<u>Other</u>	<u>N</u>	

Site Conditions

Y=Yes N=No

		Comments
<u>Odors</u>	<u>N</u>	
<u>Pools of Liquid</u>	<u>N</u>	
<u>Stained Soil</u>	<u>N</u>	
<u>Stains (walls, floor, etc)</u>	<u>N</u>	
<u>Stressed Vegetation</u>	<u>N</u>	
<u>Other Areas of Concern</u>	<u>N</u>	

Other Y IRP Site 6. Site 6 consists of two engineered waste cells which include mostly household waste, demolition waste, and petroleum-contaminated soils. Waste was consolidated into this landfill from other sites (1, 3, 8, 9, 11, 12, 15, 20, 24, 25, 26, 27, 36, 40, 41, and L), buildings (549, 550, 2990, 2991, 2994, 3404, 3408, 3409, 3414, 5404, 5633, and 5673), and areas 11 and 12. During the OU2 RI conducted from 1992 to 1997, soil and water samples collected indicated that PAHs, polychlorinated biphenyls (PCBs), pesticides, herbicides, and dioxins were present. It was also determined that the waste placed in the landfill met the requirements of CCR Title 23, Section 2523 (currently under CCR Title 27, Section 20220) for non-hazardous solid waste landfill.

INSPECTED BY Sue Hill/BAH, Calvin Cox/BAH
 Name/Title
 AFRPA/DK (or contractor support)

DATE 1/27/05, 4/19/05, 3/7/2006

VISUAL SITE INSPECTION (VSI) FORM

GENERAL INFORMATION

Facility Number: Open Space, Parcel I-3

Current Use: Open Space

Date Inspected: 4/19/05, updated 3/7/06

Type of Building:

Area (Sq. Ft.): TBD

Type of Construction: N/A

Year of Construction: N/A

Lease Amendment: N/A

Description of Facility

Open Space

PHYSICAL SETTING

Current Uses of the Facility

Are any current uses likely to involve treatment, storage, disposal, or generation of hazardous substances or petroleum products?

 Yes

 X No

Report current uses based on observation, interviews, and records review.

- Area is fenced off, no current use, passive open space

Past Uses of the Facility

Were any past uses likely to have involved treatment, storage, disposal, or generation of hazardous substances or petroleum?

 Yes

 X No

Report all past uses based on observation, interviews, and records review.

- Previously used as a landfill

PHYSICAL CONDITIONS and FINDINGS

N = No Y=Yes X=Excellent G=Good F=Fair P=Poor NA=Not Applicable

Comments

Condition of Paint
exterior / interior

 N/A / N/A

Facility No.: N/A

Inspected: 3/07/06

Date

<u>Condition of Building</u> exterior / interior	<u>N/A / N/A</u>
<u>Air Emissions Sources</u>	<u>N/A</u>
<u>PCB Containing Equipment</u>	<u>N/A</u>
<u>Historical Property</u>	<u>N/A</u>
<u>Observed Wetlands</u>	<u>G</u>
<u>Drinking Water Wells</u>	<u>N/A</u>
<u>Remedial System</u>	<u>N/A</u>
<u>Monitoring Wells</u>	<u>G</u>

Hazardous Material and Waste, Petroleum, Oil, and Lubricant Units

Describe the condition of and materials handled by the following units (use the abbreviations listed below for Waste Stream column).
N=No Y=Yes HM=Hazardous Material HW=Hazardous Waste POL=Petroleum Oil & Lubricant Product POLW=POL Waste OTH=Other

UNITS

INDUSTRIAL	Waste Stream	Comments
<u>Floor Drains</u>	<u>No</u>	
<u>Waste Water System/Collection</u>	<u>No</u>	
<u>Oil/Water Separators</u>	<u>No</u>	
<u>Washracks</u>	<u>No</u>	
<u>Above Ground Storage Tank</u>	<u>No</u>	
<u>Underground Storage Tank</u>	<u>No</u>	
<u>Other Tanks</u>	<u>No</u>	
<u>Sumps</u>	<u>No</u>	
<u>Silver Recovery Units</u>	<u>No</u>	
<u>Hydrant System</u>	<u>No</u>	
<u>Radioactive Units</u>	<u>No</u>	
<u>Container Storage Area</u>	<u>No</u>	
<u>Other</u>	<u>No</u>	

SURFACE WATER	Y/N	Comments
<u>Storm Water Systems</u>	<u>N</u>	
<u>Pits, Ponds, Lagoons</u>	<u>N</u>	
<u>Other</u>	<u>N</u>	

MUNICIPAL	Y/N	Comments
<u>Sanitary Sewer (utility ownership)</u>	<u>N</u>	_____
<u>Septic Tanks</u>	<u>N</u>	_____
<u>Grease Traps</u>	<u>N</u>	_____
<u>Drains</u>	<u>N</u>	_____
<u>Other</u>	<u>N</u>	_____

Site Conditions

Y=Yes N=No

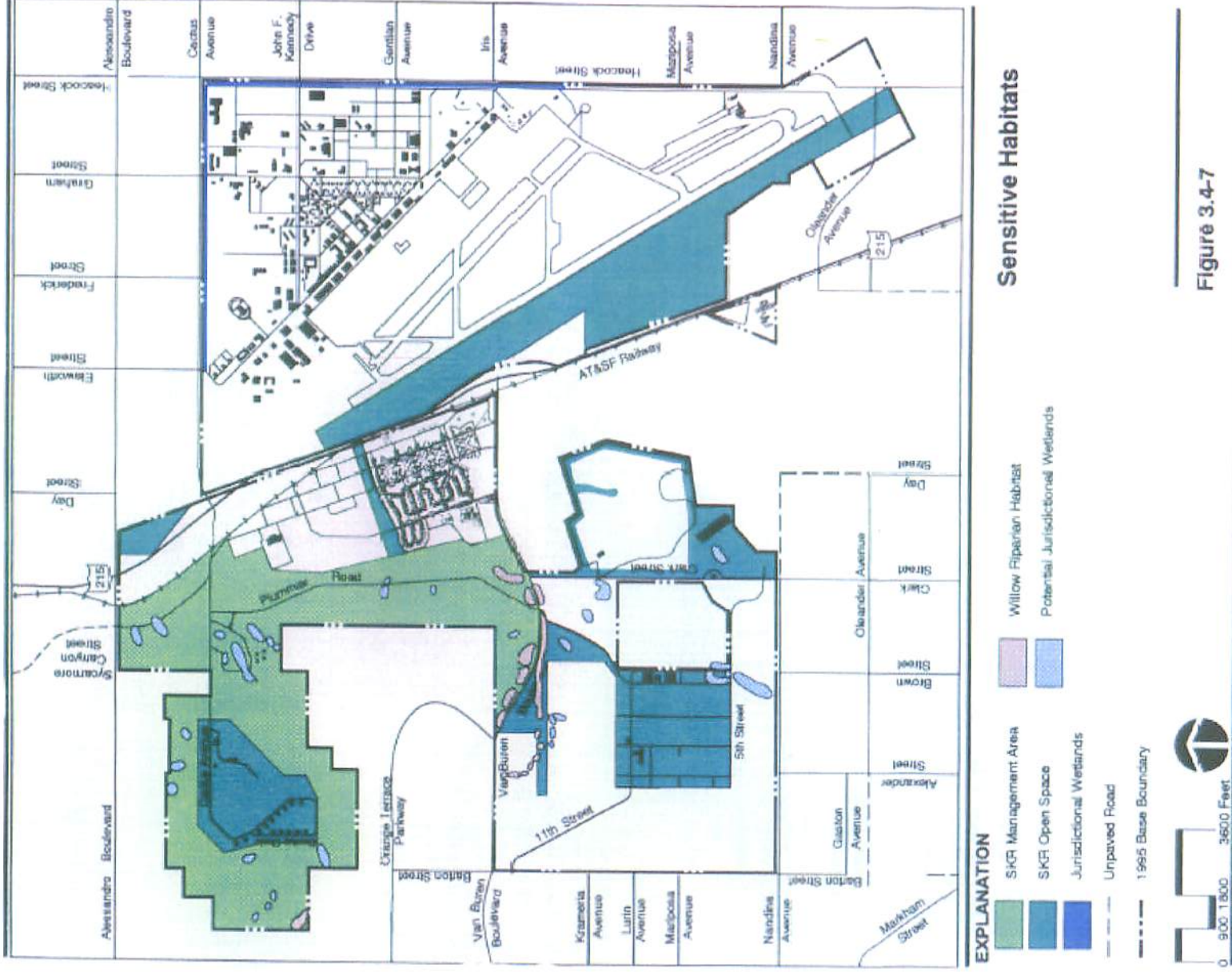
		Comments
<u>Odors</u>	<u>N</u>	_____
<u>Pools of Liquid</u>	<u>N</u>	_____
<u>Stained Soil</u>	<u>N</u>	_____
<u>Stains (walls, floor, etc)</u>	<u>N</u>	_____
<u>Stressed Vegetation</u>	<u>N</u>	_____
<u>Other Areas of Concern</u>	<u>N</u>	_____

Other Y IRP Site 6. Site 6 consists of two engineered waste cells which include mostly household waste, demolition waste, and petroleum-contaminated soils. Waste was consolidated into this landfill from other sites (1, 3, 8, 9, 11, 12, 15, 20, 24, 25, 26, 27, 36, 40, 41, and L), buildings (549, 550, 2990, 2991, 2994, 3404, 3408, 3409, 3414, 5404, 5633, and 5673), and areas 11 and 12. During the OU2 RI conducted from 1992 to 1997, soil and water samples collected indicated that PAHs, polychlorinated biphenyls (PCBs), pesticides, herbicides, and dioxins were present. It was also determined that the waste placed in the landfill met the requirements of CCR Title 23, Section 2523 (currently under CCR Title 27, Section 20220) for non-hazardous solid waste landfill.

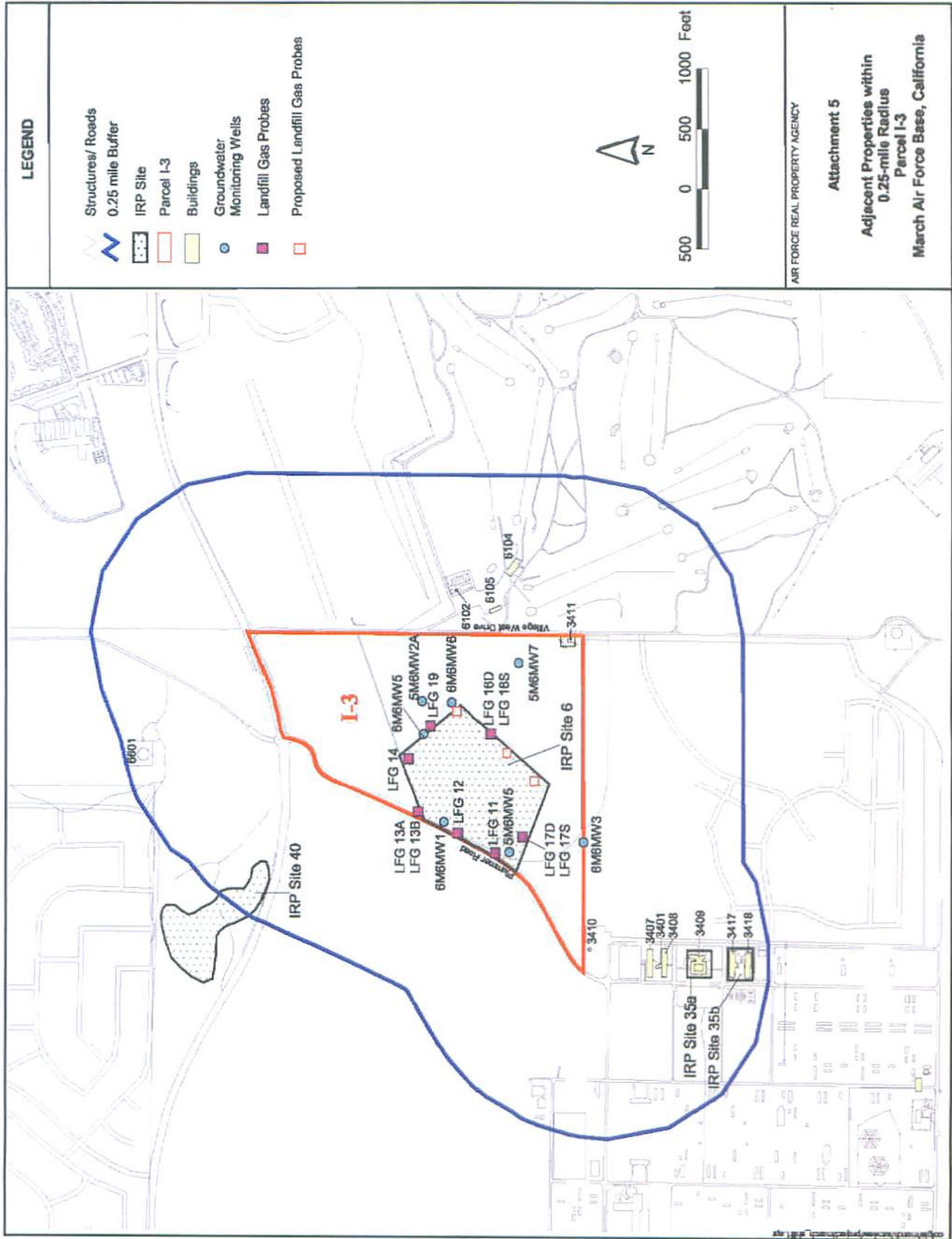
INSPECTED BY Sue Hill/BAH. Calvin Cox/BAH
Name/Title
AFRPA/DK (or contractor support)

DATE 1/27/05, 4/19/05, 3/7/06

Attachment 4 Sensitive Habitats and Wetlands



Attachment 5
Adjacent Properties



Attachment 6

NOTICE OF HAZARDOUS SUBSTANCES DISPOSED

Notice is hereby provided that the following hazardous substances are known to have been disposed of on the Property and the date such disposal took place. The information contained in this notice is required under the authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or "Superfund") 42 U.S.C. section 9620(h).

Site 6-Landfill 4- Former March AFB

Substance Disposed	Regulatory Synonym(s)	CAS Registry Number	Quantity Disposed kilogram/year	Dates Disposed
PAHs	N/A	N/A	unknown	1950s–1980s
PCBs	Poly-chlorinated biphenyls	1336-36-3	unknown	1950s–1980s
Hexavalent Chromium	N/A	7440-47-3	unknown	1950s–1980s
Antimony	N/A	7440-36-0	unknown	1950s–1980s
Cadmium	N/A	7440-43-9	unknown	1950s–1980s
Arsenic	N/A	7440-38-2	unknown	1950s–1980s
Lead	N/A	7439-92-1	unknown	1950s–1980s
Dioxins	N/A	N/A	unknown	1950s–1980s
Organochlorine Pesticides	N/A	N/A	unknown	1950s–1980s
Organophosphorus Pesticides	N/A	N/A	unknown	1950s–1980s
VOC	N/A	N/A	unknown	1950s–1980s
SVOC	N/A	N/A	unknown	1950s–1980s

N/A=not applicable; VOC=volatile organic compounds; SVOC=semi-volatile organic compounds

NOTICE OF HAZARDOUS SUBSTANCES STORED

Notice is hereby provided that the following hazardous substances are known to have been stored for one year or more on the Property and the date such storage took place. The information contained in this notice is required under the authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or "Superfund") 42 U.S.C. section 9620(h).

Building 3411 (Water Pump Station)-Former March AFB

Substance Stored	Regulatory Synonym(s)	CAS Registry Number	Quantity Stored kg/year	Dates Stored
Chlorine	N/A	7782-50-5	Unknown	unknown

N/A=not applicable

NOTICE OF HAZARDOUS SUBSTANCES RELEASED

Notice is hereby provided that the following hazardous substances are known to have been released on the Property and the dates such release took place. The information contained in this notice is required under the authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or "Superfund") 42 U.S.C. section 9620(h).

IRP Site 6-Landfill 4

Substance	Regulatory Synonym(s)	CAS Registry Number	Quantity kg/lbs	Date	Hazardous Waste ID Number	Response	Remarks
PAHs	N/A	N/A	Unknown	Unknown	N/A	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
PCBs	Poly-chlorinated biphenyls	1336-36-3	Unknown	Unknown	N/A	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Hexavalent Chromium	N/A	7440-47-3	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Antimony	N/A	7440-36-0	Unknown	Unknown	Unknown	Approximately 63,000 cubic	See OU 2 ROD for

Substance	Regulatory Synonym(s)	CAS Registry Number	Quantity kg/lbs	Date	Hazardous Waste ID Number	Response	Remarks
						yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	more details.
Cadmium	N/A	7440-43-9	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Arsenic	N/A	7440-38-2	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Lead	N/A	7439-92-1	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.

Substance	Regulatory Synonym(s)	CAS Registry Number	Quantity kg/lbs	Date	Hazardous Waste ID Number	Response	Remarks
Dioxins	N/A	N/A	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Organochlorine Pesticides	N/A	N/A	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.
Organophosphorus Pesticides	N/A	N/A	Unknown	Unknown	Unknown	Approximately 63,000 cubic yards of contaminated soil was removed. Landfill cap was installed and monitoring has been ongoing. Institutional Controls (ICs) apply to site. No additional action approved in the OU 2 ROD.	See OU 2 ROD for more details.

N/A=not applicable; PAH=polynuclear aromatic hydrocarbon; PCBs=polychlorinated biphenyls; OU=Operable Unit;
 ROD=Record of Decision

CaScience
Environmental
Laboratories, Inc.

Post-It® Fax Note 7671

Date	1/16/91	# of pages	3
To	William H. Christensen		
Co/Dept.	CEL		
Phone #	(714) 895-5494		
Fax #	(714) 895-5494		

ANALYTICAL REPORT

Ancon Marine
1022 Eubank Avenue
Wilmington, CA 90744

Date Sampled: 01/17/91
Date Received: 01/18/91
Date Extracted: 01/18/91
Date Analyzed: 01/18/91
CEL Batch No.: 91-01-093

Attn: Dale Strieter
RE: March AFB/302268

Method: EPA 418.1

All concentrations are reported in mg/kg (ppm).

Sample Number	Concentration	Detect'n Limit
3406-1	3320 ✓	50
3406-2	2950 L	50
3411-1	ND	5
3411-2	ND	5
3417-01-1	ND	5
3417-01-2	ND	5
3417-02-1	ND	5
3417-02-2	ND	5
3407-01	208 ✓	50
3407-02	2790 ✓	50

Reviewed and Approved

William H. Christensen on 01/24/1991
William H. Christensen
Laboratory Operations
Manager

ND denotes not detected at indicated detection limit.

Each sample was received by CEL in a chilled state, intact and with chain-of-custody attached.

TEL (714) 895-5494

FAX 714-344

COUNTY OF RIVERSIDE, DEPARTMENT OF HEALTH
 ENVIRONMENTAL HEALTH DIVISION
 HAZARDOUS MATERIALS MANAGEMENT BRANCH
 UNDERGROUND STORAGE TANK CLOSURE INSPECTION REPORT

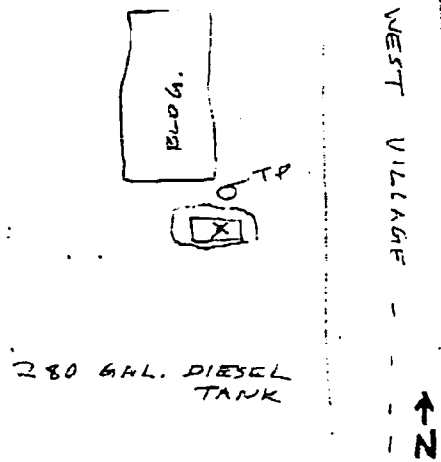
Date 1-17-91 Time Arrived 12:50 Time Departed 1:15 Temp. Closure X
 Facility Name M.A.F.B. Plan Check # 91-011 Removal X
 Address BLDG. 3411 Contact MEREDITH Abandonment X
 Contractor ANCON MARINE No. of Tanks Closed 1
 Health Personnel SCHLEICHER No. of Tanks Remaining 0
 Fire Personnel NONE

I. Temporary Closure

Yes No N/A

- 1 () () () Valid Closure Permit
- 2 () () () Tank Contents Removed
- 3 () () () Witnessed Sticking of Tank(s)
- 4 () () () Flammable Vapors Purged
- 5 () () () Tank Filled with Non-Corrosive/
Non-Hazardous Liquid
- 6 () () () Locks on Fill Caps/
Fill Caps Sealed
- 7 () () () Product Piping Disconnected
- 8 () () () Power Disconnected
- 9 () () () Vent Pipe Open
- () () () Other _____

Diagram (not to scale)



II. Removal

Yes No N/A

- 11 (X) () () Valid Closure Permit
- 12 (X) () () Tank Triple Rinsed
- 13 (X) () () Manifest Available/Number 70394511
- 14 (X) () () Hazardous Waste Hauler ANCON MARINE
- 15 (X) () () Destination of Rinsate DEMEANNO KERPOON
- 16 (X) () () Witnessed Dry-icing of Tank(s)
- 17 () () () Tank Tags Removed NATIONAL TANK MANF. 1953
U.L. Serial #'s U.L. NO. 440633
- 18 (X) () () Destination of Tank(s) AMR
- 19 (X) () () Condition of Tank(s) FAIR, HEAVY FLAKING, NO HOLES
- 20 (X) () () Condition of Excavation GOOD, NO PULVERIZATION
- 21 (X) (X) () Soil Staining/Odor D.G. SOIL AT BOTH SAMPLE DEPTHS
- 22 () (X) () Unauthorized Release form Issued
- () () () Other _____

